



Atty [REDACTED] No. 0800-0009.05

COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

FORM PTO-1449 (Modified)
LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
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Sheet 1 of 7

RECEIVED

MAR 05 2001

In the Application of PODSAKOFF et al.

Serial No.: 09/755,734

Art Unit: Unassigned

TECH CENTER 1600/2900

Filed: January 4, 2001

Examiner: Unassigned

Title: METHODS FOR DELIVERING DNA TO MUSCLE CELLS USING RECOMBINANT ADENO-ASSOCIATED VIRUS VECTORS

U.S. PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Date	Name	Class	Sub Class	Filing Date
[initial]	AA-1	5,139,941	August 18, 1992	Muzyczka et al.	435	456	
	AB-1	5,173,414	December 22, 1992	Lebrowski et al.	435	91.4	
	AC-1	5,252,479	October 12, 1993	Srivatava	435	235.1	
	AD-1	5,478,745	December 26, 1995	Samulski et al.	435	320.1	
	AE-1	5,587,308	December 24, 1996	Carter et al.	435	371	
[initial]	AF-1	5,589,362	October 31, 1996	Bujard et al.	435	69.1	
	AG-1	5,658,656	August 19, 1997	Billiar et al.	428	304.4	

FOREIGN PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Publication Date	Country or Patent Office	Class	Sub Class	Translation YES NO
[initial]	AH-1	WO 94/13788	June 23, 1994	EPO			
[initial]	AI-1	WO 95/13376	May 18, 1995	EPO			
	AJ-1	WO 95/20671	August 3, 1995	EPO			
[initial]	AK-1	WO 95/34670	December 21, 1995	EPO			

Examiner:

Date Considered:

8/28/01

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Exam. Init.	Ref. Desig.	Description
<i>PLM</i>	AL-1	Acsadi et al., "Human Dystrophin Expression in MDX Mice After Intramuscular Injection of DNA Constructs," <i>Nature</i> <u>352</u> :815-818 (1995)
	AM-1	Acsadi et al., "Cultured Human Myoblast and Myotubes Show Markedly Different Transducibility by Replication-Defective Adenovirus Recombinant," <i>Gene Therapy</i> <u>1</u> :338-340 (1994)
	AN-1	Acsadi et al., "A Differential Efficiency of Adenovirus-Mediated <i>in vivo</i> Gene Transfer Into Skeletal Muscle Cells of Different Maturity," <i>Hum. Mol. Genetics</i> <u>3</u> :579-584 (1994)
	AO-1	Barr and Leiden, "Systemic Delivery of Recombinant Proteins by Genetically Modified Myoblast," <i>Science</i> <u>254</u> :1507-1509 (1991)
	AP-1	Bartlett et al., <i>Am. J. Human Genetics</i> <u>57</u> Supp. 4 #A235;
	AQ-1	Blau et al., "Myoblast in Pattern Formation and Gene Therapy," <i>Trends in Genetics</i> <u>9</u> (9):269 (1993)
	AR-1	Blau and Springer, "Molecular Medicine Muscle-Mediated Gene Therapy," <i>New Eng. J. Med.</i> <u>333</u> :1554-1556 (1995)
	AS-1	Blau and Springer, "Molecular Medicine Muscle-Mediated Gene Therapy," <i>New Eng. J. Med.</i> <u>333</u> :1554-1556 (1995)
	AT-1	Brockstedt et al., <i>Clin. Immuno.</i> <u>82</u> (1):67-75 (1999)

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Exam. Init.	Ref. Desig.	Description
<i>AKC</i>	AU-1	Clark et al., "Cell Lines for the Production Recombinant Adeno-Associated Virus," <i>Human Gene Therapy</i> <u>6</u> :1329-1341 (1995);
	AV-1	Culver et al., <i>Trends Genetics</i> <u>10</u> (5):174-178 (1994)
	AW-1	Dai et al., "Gene Therapy Via Primary Myoblast: Long-Term Expression of Factor IX Protein Following Transplantation <i>in vitro</i> ," <i>Proc. Natl. Acad. Sci. USA</i> <u>89</u> :10892-10895 (1992)
	AX-1	Dai et al., "Cellular and Humoral Immune Responses to Adenoviral Vectors Containing Rector IX Gene: Tolerization of Factor IX and Vector Antigens Allows for Long-Term Expression," <i>Proc. Natl. Acad. Sci. USA</i> <u>92</u> :1401-1405 (1995)
	AY-1	Davis et al., "Direct Gene Transfer Into Skeletal Muscle <i>in vivo</i> : Factors Affecting Efficiency of Transfer and Stability of Expression," <i>Hum. Gene Therapy</i> <u>4</u> :151-159 (1993)
	AZ-1	Descamps et al., "Organoids Direct Systemic Expression of Erythropoietin in Mice," <i>Gene Therapy</i> <u>2</u> :411-417 (1995)
	BA-1	Dhawan et al., "Systemic Delivery of Human Growth Hormone by Injection of Genetically Engineered Myoblast," <i>Science</i> <u>254</u> :1509-1512 (1991)
	BB-1	Einerhand et al., <i>Gene Therapy</i> <u>2</u> (5):336-343 (1995);
<i>✓</i>	BC-1	Flotte et al., "Gene Expression from Adeno-Associated Virus Vectors in Airway Epithelial Cells," <i>Am. J. Respir. Cell Mol. Biol.</i> <u>7</u> :349-356 (1992)

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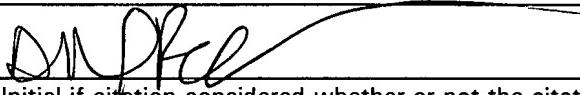
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Exam. Init.	Ref. Desig.	Description
	BD-1	Flotte et al., "Expression of the Cystic Fibrosis Transmembrane Conductance Regulator From a Novel Adeno-Associated Virus Promoter," <i>J. Biol. Chem.</i> <u>268</u> :3781-3790 (1993)
	BE-1	Flotte et al., "Stable <i>in vivo</i> Expression of the Cystic Fibrosis Transmembrane Conductance Regulator with an Adeno-Associated Virus Vector," <i>Proc. Natl. Acad. Sci. USA</i> <u>90</u> :10613-10617 (1993)
	BF-1	Flotte et al., "Adeno-Associated Virus Vector Gene Expression Occurs In Nondividing Cells in the Absence of Vector DNA Integration," <i>Am. J. Respir. Cell Mol. Biol.</i> <u>11</u> :517-521 (1994)
	BG-1	Gilgenkrantz et al., "Transient Expression of Genes Transferred <i>in vivo</i> Into Heart Using First-Generation Adenoviral Vectors: Role of the Immune Response," <i>Hum. Gene Therapy</i> <u>6</u> :1265-1274 (1995)
	BH-1	Hamamori et al., "Myoblast Transfer of Human Erythropoietin Gene in a Mouse Model of Renal Failure," <i>J. Clin. Inves.</i> <u>95</u> :1808-1813 (1995)
	BI-1	Hamamori et al., "Persistent Erythropoietin by Myoblast Transfer of Erythropoietin cDNA," <i>Human Gene Therapy</i> <u>5</u> :1349-1356 (1994)
	BJ-1	Herzog et al., <i>Proc. Natl. Acad. Sci.</i> <u>94</u> :5804-5809 (1997)
	BK-1	Hodgson, <i>Exp. Opin. Ther. Pat.</i> <u>5</u> (5):459-462 (1995)
	BL-1	Kaplitt et al., "Long-Term Gene Expression and Phenotypic Correction Using Adeno-Associated Virus Vectors in the Mammalian Brain.," <i>Nature Genetics</i> . <u>8</u> :148-154 (1994)

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Exam. Init.	Ref. Desig.	Description
<i>ANB</i>	BM-1	Kessler et al., "Gene Delivery to Skeletal Muscle Results in Sustained Expression and Systemic Delivery of a Therapeutic Protein," <i>Proc. Natl. Acad. Sci. USA</i> <u>93</u> :14082-14087 (1996)
	BM-1	Knowles et al., "A Controlled Study of Adenoviral-Vector-Mediated Gene Transfer in the Nasal Epithelium of Patients with Cystic Fibrosis," <i>The New Eng. J. of Med.</i> <u>333</u> (13):823-831 (1995)
	BO-1	Kourtis et al., "Cardiac Gene Therapy With Adeno-Associated Virus Suppression," <i>Modern Pathology</i> <u>8</u> (1):33A (1995)
	BP-1	Lafont, <i>Lancet</i> <u>346</u> :1442-1443 (1995);
	BQ-1	Leiden, J.M., "Gene Therapy-Promise, Pitfalls and Prognosis," <i>New Eng. J. Med.</i> <u>333</u> :871-872 (1995)
	BR-1	March et al., <i>Clin. Res.</i> <u>40</u> (2):358A (1992);
	BS-1	Marshall et al., <i>Science</i> <u>269</u> :1050-1055 (1995)
	BT-1	Mendell et al., "Myoblast Transfer in the Treatment of Duchenne's Muscular Dystrophy," <i>New Eng. J. Med.</i> <u>333</u> :832-838 (1995)
	BU-1	Miller et al., <i>FASE B J</i> <u>9</u> :190-199 (1995)
	BV-1	Naffakh et al., "Sustained Delivery of Erythropoietin in Mice by Genetically Modified Skin Fibroblast," <i>Proc. Natl. Acad. Sci. USA</i> <u>92</u> :3194-3198 (1995)
<i>✓</i>	BW-1	Naffakh et al., "Long-Term Secretion of Therapeutic Proteins from Genetically Modified Skeletal Muscles," <i>Human Gene Therapy</i> <u>7</u> :11-21 (1996)

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<i>DNPB</i>	BX-1	Nakai et al., <i>Blood</i> <u>91</u> (12):4600-4607 (1998)
	BY-1	Orkin et al., <i>Report and Recommendation from the Panel to Assess the NIH Investment...</i> (1995)
	BZ-1	Osborne et al., "Gene Therapy for Long-Term Expression of Erythropoietin in Rats," <i>Natl. Acad. Sci. USA</i> <u>92</u> :8055-8058 (1995)
	CA-1	Podsakoff et al., "Efficient Gene Transfer into Nondividing Cells by Adeno-Associated Virus-Based Vectors," <i>J. Virol.</i> <u>68</u> :5656-5666 (1994)
	CB-1	Podsakoff et al., "AAV Vector-Mediated Gene Delivery to Skeletal Muscle <i>in vivo</i> Results in Sustained Levels of Systemic Erythropoietin," <i>Gene Therapy Clinic</i> <u>88</u> (10):1066 (269A) (1996)
	CC-1	Podsakoff et al., "Long-Term <i>in vivo</i> Gene Expression in Muscle Using AAV Vectors," <i>Blood</i> <u>86</u> (10):1004A (1995)
	CD-1	Quantin et al., "Adenovirus as an Expression Vector in Muscle Cells <i>in vivo</i> ," <i>Proc. Natl. Acad. Sci. USA</i> <u>89</u> :2581-2584 (1992)
	CE-1	Raz et al., "Systemic Immunological Effects of Cytokine Genes Injected into Skeletal Muscle," <i>Proc. Natl. Acad. Sci. USA</i> <u>90</u> :4523-4527 (1993)
	CF-1	Restifo et al., <i>J. Immunotherapy</i> <u>14</u> :182-190 (1993)
	CG-1	Russell et al., "Adeno-Associated Virus Vectors Preferentially Transduce Cells in S phase," <i>Proc Natl. Acad. Sci. USA</i> <u>91</u> :8915-8919 (1994)
<i>x</i>	CH-1	Synder et al., <i>Nature Gent.</i> <u>16</u> :270-276 (1997)

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Exam. Init.	Ref. Desig.	Description
<i>PLK</i>	CI-1	Tripathy et al., "Stable Delivery of Physiologic Levels of Recombinant Erythropoietin to the Systemic Circulation by Intramuscular Injection of Replication-Defective Adenovirus," <i>Proc. Natl. Acad. Sci. USA</i> <u>91</u> :115
	CJ-1	Verma et al., <i>Science</i> <u>389</u> :239-242 (1997)
	CK-1	Villeval et al., "Retrovirus-Medicated Transfer of the Erythropoietin Gene in Hematopoietic Cells Improves the Erythrocyte Phenotype in Murine β-Thalassemia," <i>Blood</i> <u>84</u> (3): 928-933 (1994)
	CL-1	Watson et al., <i>Gene Therapy</i> <u>5</u> :1642-1649 (1998)
	CM-1	Wolff et al., "Direct Gene Transfer into Mouse Muscle <i>in vivo</i> ," <i>Science</i> <u>247</u> :1465-1468 (1990)
	CN-1	Wolff et al., "Long-Term Persistence of Plasmid DNA and Foreign Gene Expression in Mouse Muscle," <i>Human Mol. Genet.</i> <u>1</u> :363-369 (1992)
	CO-1	Xiao et al., <i>J. Virol.</i> <u>70</u> (11):8098-8108 (1996)
<i>✓</i>	CP-1	Xiao et al., <i>Adv. Drug Del. Rev.</i> <u>12</u> :201-215 (1993)

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